

3. 54-20 (1049, 1443)

29135
S/020/61/140/005/011/022
B104/3:02

AUTHORS: Vasil'ev, B. N., Voron'ko, Yu. K., Mandel'shtem, S. L.,
Tin'do, I. P., and Shurygin, A. I.

TITLE: Preliminary results of a study of solar x-radiation by means
of rockets and space ships

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 5, 1961, 1058-1061

TEXT: By means of two geophysical rockets (July 21, 1959, altitude
107 km), the second space ship (August 19-20, 1960, altitude of peri-
helion 305 km, aphelion 520 km), and the third space ship (December 1-2,
1960, perihelion 180 km, aphelion 249 km), solar radiation in the
spectral range below 10 Å was studied. End-window photon counters with
aluminum coated (2μ) mica windows (1.6 mg/cm^2 , $d = 4 \text{ mm}$) were attached
outside the apparatus container which left the rocket and turned
automatically to the sun. By means of magnetic systems, the windows of
counters were shielded from 15-20 kev electrons which might cause
bremsstrahlung. At an altitude of 95 km, the counting rate of counters
oriented toward the sun increased. This radiation was considered to be

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Preliminary results of a...

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an x-radiation. Using data of V. V. Mikhnevich et al. (Izv. AN SSSR, ser. geofiz., no. 11, 1393 (1957)) results of measurement were extrapolated for the boundary of atmosphere. Radiation fluxes ($2\text{-}10 \text{ Å}$) obtained were $7.3 \cdot 10^{-4}$ and $3.2 \cdot 10^{-4} \text{ erg/cm}^2 \cdot \text{sec}$. On the second space ship, six end-window photon counters with beryllium windows (0.1 mm thick, 7 mm in diameter) were used. Counters were arranged vertical to each other. The counting rate amounted to some thousand pulses/sec when the counters were exposed to solar radiation. On that part of the orbit which was in the earth's shadow it was some ten pulses/sec (cosmic background), and reached high values only when the orbit approached the outer radiation belt. From the results of measurements in the shadow-region, the authors concluded that a radiation from the radiation belt did not occur below $30\text{-}40^\circ$ north and $20\text{-}30^\circ$ south. A radiation flux of $7.6 \cdot 10^{-4} \text{ erg/cm}^2 \cdot \text{sec}$ was obtained. On the third space ship, two counters with mica windows (1.6 mg/cm^2 , $d = 4 \text{ mm}$) covered on both sides with aluminum foils (5μ) were switched in parallel. These two counters were oriented toward the sun. Two other counters of the same type were arranged vertical to the former. Tantalum plates were located in front

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of the windows of these control counters. They recorded radiation caused by slowing down electrons in the tantalum plates. In the instrument container two other beryllium window counters were installed. Thus, it was possible to separate the background of x-radiation caused by electrons from the solar x-radiation. An x-radiation flux of $2.4 \cdot 10^{-4}$ erg/cm².sec was obtained in the range 2-10 Å. The electron temperature of solar radiation in the spectral range investigated was estimated to be $\sim 2 \cdot 10^6$. *H*
I. S. Shklovskiy (Izv. Krymsk. astrofiz. obs., 4, 80 (1949)),
T. V. Kazachevskaya and G. S. Ivanov-Kholodnyy (Astr. zhurn., 55, 1022 (1959)), S. N. Vernov and A. Ye. Chudakov (Usp. fiz. nauk, 70, no. 4, 585 (1960)), and L. V. Kurnosova et al. (Sborn. Iskusstvennyye sputniki Zemli, no. 10 (1961)) are mentioned. There are 4 figures and 7 references: 5 Soviet and 2 non-Soviet. The three most recent references to English-language publications read as follows: T. A. Chubb, H. Friedman, R. W. Kreplin, J. Geophys. Res., 65, no. 6, 1831 (1960); H. Friedman, Astronautics, no. 11, 42, 128 (1960); J. A. Van Allen, L. A. Frank, Nature, 183, 430 (1959).

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B104/B102

Preliminary results of a...

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR
(Physics Institute imeni P. N. Lebedev of the Academy of Sciences USSR)

PRESENTED: May 24, 1961, by D. V. Skobel'tsyn, Academician

SUBMITTED: April 19, 1961

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Card 4/4

Soviet Space Sci.
MANDELSHTAM, S. L., VASILYEV, B. N., VORONKO, Yu. K., TINDO, K. P., SHURGIN, A.

"Measurements of Solar X-ray Radiation"

Soviet Papers Presented at Plenary Meetings of Committee on Space Research
(COSPAR) and Third International Space Symposium, Washington, D. C.,
23 Apr - 9 May 62

MANDELSHTAM, S. L., TINDO, I. P., VORON'KO, Yu. K., VASIL'YEV, B.N., and SHURGIN, A. I.

"The Intensity of The X-ray Radiation of The Sun Near The Short-Wave
Edge of The Spectrum"

report presented at the 13th Intl. Astronautical Federation Congress, (FAI)
Varna, Bulgaria, 23-29 Sep 1962

SEARCHED, SERIALIZED
S/020/62/142/001/015/021
B104/B102

AUTHORS: Mandel'shtam, S. L., Voron'ko, Yu. K., Tindo, I. P.,
Shurygin, A. I., and Vasil'yev, B. N.

TITLE: Study of solar X-ray emission during the total solar eclipse
on February 15, 1961

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 1, 1962, 77-80

TEXT: The shortwave range ($< 10 \text{ \AA}$) of the solar spectrum was examined with photon counters described in previous papers of the authors (DAN, 140, no. 5, 1058 (1961); Sborn. Iskusstvennye sputniki Zemli, (a) no. 10, 1961, p. 13; (b) no. 11, 1961, p. 3). A. P. Lukirskiy helped in determining the spectral sensitivity of the apparatus at the Leningradskiy gosudarstvennyy universitet (Leningrad State University), using a method of Lukirskiy, M. A. Rumsh, and L. A. Smirnov (Optika i spektroskopiya, 2, 505 (1960)). The counters had been developed under the supervision of I. A. Prager and S. M. Perel'man. The counter block was mounted on the outside of the instrument container of a geophysical rocket. The counters always faced the Sun. The container reached an altitude of about 96 km. The emission

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Study of solar X-ray emission ...

of the solar corona is continuous in the spectral region in question and has no intense lines. The energy distribution of solar emission and the energy flux in the spectral range under consideration were determined from the variations of the count rate with altitude, with the spectral sensitivity of the counters, and with the mass absorption coefficient of air (Fig. 3). The emission of the totally covered corona in the spectral range in question had an intensity of $4 \cdot 10^{-4}$ erg/cm²·sec. The shortwave part of the solar spectrum is emitted from all those parts of the corona, in which the 5303 Å line is also excited. There are 4 figures, 1 table, and 7 references: 4 Soviet and 3 non-Soviet. The two references to English-language publications read as follows: G. Elwert, J. Atm. Terr. Phys., 12, 187 (1958); J. Geophys. Res., 66, 391 (1961).

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR
(Physics Institute imeni P. N. Lebedev of the Academy of Sciences USSR)

PRESENTED: July 4, 1961, by A. A. Blagonravov, Academician

SUBMITTED: June 27, 1961

Card 2/2

MANDEL'SHTAM, S.L.; VASIL'YEV, B.N.; VORON'KO, Yu.K.; TINDO, I.P.;
SHURYGIN, A.I.; FETISOV, E.N.

"Of the short-wavelength end of the sun spectrum by means of
satellites and rockets."

Report presented at the Spectroscopicum, 11th Intl. Colloq.,
Belgrade, Yug, 30 Sep - 4 Oct 63.

VASIL'YEV, B.N.; SHURGIN, A.I.; TINDO, I.P.; VORON'KO, Yu.K.

Investigation of solar X-ray radiation. Part 3. Electronic
equipment. Isk.sput.Zem. no.15:85-91 '63. (MIRA 16:4)
(Solar radiation) (Nuclear counters)

MEKLER, L.S., gornyy inzh.; SHURGIN, A.I., gornyy inzh.; KOSTYUCHENKO,
L.M., gornyy inzh.; NAGAYEVA, N.G., gornyy tekhnik

Efficient types of supports in the Degtyarka copper mine.
(MIRA 17:10)
Gor. zhur. no.8:33-36 Ag '64.

1. Degtyarskiy mednyy rudnik.

L 33282-66 EWT(1)/FSS-2 TT/GW

ACC NR: AR6017229

SOURCE CODE: UR/0058/65/000/012/D023/D023

AUTHORS: Mandel'shtam, S. L.; Vasil'yev, B. N.; Voron'ko, Yu. K.; Tindo, I. P.; Shurygin, A. I.; Fetisov, Ye. N.TITLE: Investigations of the short-wave end of the solar spectrum with the aid of
satellites and rockets

SOURCE: Ref. zh. Fizika, Abs. 12D177

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 36-54

TOPIC TAGS: solar spectrum, solar corona, solar radiation, geophysic rocket, scientific satellite

ABSTRACT: The radiation of the sun was investigated experimentally and theoretically in the spectral region below 10 Å. It is established that this radiation has a continuous spectrum and is due to recombination of electrons and "heavy" ions in the solar corona. The measurements of the electron temperature of the radiating regions of the corona in different experiments yielded values between 1.5 and 4×10^6 °K; the flux of radiation at the limit of the earth's atmosphere is $2 - 8 \times 10^{-4}$ erg/cm²-sec. [Translation of abstract]

SUB CODE: 03, 22/

Card 1/1

L 38561-65 FSS-2/EWT(1)/EEC(m)/EWG(v)/FCC/EEC-4/EEC(t)/EWA(h) Po-4/Pe-5/
Pq-4/Pae-2/Peb/Pi-4 CW-2
ACCESSION NR: AP5009645

UR/0293/65/003/002/0262/0267

63

B

AUTHOR: Tindo, I. P.; Shurygin, A. I.

TITLE: Investigation of solar x-radiation. IV. Measurements of radiation flux
in the spectral range 2-18 Å

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 2, 1965, 262-267

TOPIC TAGS: solar radiation, Geiger photon counter, impulse speed, rocket trajectory, control counter, x radiation, recombination energy flux, color temperature, electron temperature

ABSTRACT: Solar radiation has been measured on rockets at a height of 500 km by means of Geiger photon counters¹ and a control counter. A special device was used to record the impulse speed. The aperture of one Geiger counter was covered with beryllium film and that of the other counter with aluminum film. A control counter with an aluminum aperture was also covered with gold and silver films. At the top of the rocket trajectory the control counter recorded 4.5 impulses per second and the aluminum and beryllium counters 4.5 and 8 impulses per second, respectively. Photon counters were mounted on the container and pointed toward the sun. The x-radiation in the range from 2-18 Å was caused by recombination of heavy ions.

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L 38561-65

ACCESSION NR: AP5009645

Numerical values obtained by counters and computed energy flux for color and
electron temperatures are given in a table in the original article. Orig. art.
has: 2 tables and 7 figures. [EG]

ASSOCIATION: none

SUBMITTED: 16May64

ENCL: 00

SUB CODE: AA, NP

NO REF SOV: 004

OTHER: 001

ATD PRESS: 3225

Card 2/2

L 12995-66 EWT(1)/FCC/EWA(h) GW

ACC NR: AR6000794

SOURCE CODE: UR/0169/65/000/009/A013/A013

SOURCE: Ref. zh. Geofizika, Abs. 9A75

AUTHOR: Mandel'shtam, S. L.; Vasil'yev, B. N.; Voron'ko, Yu. K.; Tindo, I. P.; Shurygin, A. I.; Fetisov, Ye. N.

TITLE: Using artificial satellites and rockets to study the short-wave end of the solar spectrum

CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, vyp. 1, 1964, 36-54

TOPIC TAGS: solar radiation, artificial earth satellite, solar corona

TRANSLATION: Solar radiation was experimentally and theoretically studied in the spectral region with wavelengths shorter than 10 angstroms. It was found that the radiation has a continuous spectrum and is due to recombination of electrons and "heavy" ions in the solar corona. Various experimental measurements of the electron temperature in the radiating regions of the corona gave values lying between 1.5 and $4 \cdot 10^6$ Kelvin; the radiation flux at the boundary of the terrestrial atmosphere is $2 \cdot 8 \cdot 10^{-4}$ erg/cm²·sec.

SUB CODE: 08, 221
Card 1/1 Hw

UDC: 523.72:629.195.2:629.192.2/3

SHURYGIN, A.M.

Formations of structures in the central part of the southeastern
Caucasus [with summary in English]. Sov. geol. 1 no.3:38-50 Mr
'58. (MIRA 11:5)

1. Institut fiziki Zemli AN SSSR.
(Caucasus--Geology, Structural)

SHURYGIN, A.M.

Factors governing the formation of structural features in the
central part of the southeastern Caucasus [with summary in English].
Sov. geol. 1 no.8:72-88 Ag '58. (MIRA 11:11)

1. Institut fiziki Zemli AN SSSR.
(Caucasus -- Fold (Geology))

SHURYGIN, A. M., Candidate Geolog-Mineralog Sci (diss) -- "Conditions of formation of the structures of the southeastern Caucasus". Moscow, 1959. 19 pp (Moscow State U im M. V. Lomonosov), 110 copies (KL, No 21, 1959, 113)

GRIGOR'YANTS, B.V.; SHURYGIN, A.M.

Sukhyub cliff in the southeastern Caucasus. Uch.zap.AGU.Ser.geol.-
(MIRA 16:9)
geog.nauk no.5:95-99 '61.

SHURGIN, Aleksandr Mikhaylovich; BELOUSOV, V.V., otv. red.; FIN'KO,
V.I., red.izd-va; VOLKOVA, V.V., tekhn. red.; ASTAF'YEVA, G.A.,
tekhn. red.

[Conditions governing the formation of structures in the south-
eastern Caucasus] Usloviia formirovaniia struktur Iugo-
Vostochnogo Kavkaza. Moskva, Izd-vo Akad. nauk SSSR, 1962. 138 p.
(MIRA 15:3)

(Caucasus--Fields (Geology))

VOSKRESENSKIY, I.A.; KHAIN, V.Ye.; SHURYGIN, A.M.

Overthrust sheets in the southeastern Caucasus and the conditions
governing their formation. Vest. Mosk. un. Ser. 4: Geol. 18
no.4:15-33 Jl-Ag '63. (MIRA 16:10)

1. Kafedra dinamicheskoy geologii Moskovskogo universiteta.

MATVEYEV, A.K.; SHURGIN, A.M.

Introduction of mathematical methods in the Geological Department of
the Moscow State University. Vest. Mosk. un. Ser. 4: Geol. 19 no. 5:97-100
S-0 '64. (MIRA 17:12)

1. Kafedra geologii i geokhimii goryuchikh iskopayemykh Moskovskogo
universiteta.

SIDEL'KOVSKIY, L.N., kand. tekhn. nauk; TROYANKIN, Yu.V., kand. tekhn. nauk;
SHURYGIN, A.P., kand. tekhn. nauk

Study of an industrial cyclone chamber with supply of the
raw material through the lower section. Trudy MEI no.48:159-172
(MIRA 17:6)
163.

SIDEL'KOVSKIY, L.N., kand. tekhn. nauk; SHURYGIN, A.P., kand. tekhn. nauk;
PUSHKARSKIY, S.M., inzh.

Use of a cyclone system for obtaining a high-quality weighting
compound for drilling mud from pyrite cinders. Trudy MEI no.48:
(MIRA 17:6)
187-200 '63.

SHURYGIN, A. P.

Shurygin, A. P. -- "Investigation of a High-speed High Temperature Roasting of Pyrites in a Combined Power-engineering Process System." in Higher Education USSR, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, Moscow, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

Sv: Knizhnaya Letopis', No. 24, Moscow, Jun 55, pp 91-104

AID P - 2764

Subject : USSR/Engineering
Card 1/2 Pub. 110-a - 6/14
Authors : Sidel'kovskiy, L. N., Kand. Tech. Sci.,
Troyankin, Yu. V., and Shurygin, A. P., Engs.
Title : On the problem of using waste heat of flue gases
from industrial furnaces
Periodical : Teploenerg., 9, 32-36, S 1955
Abstract : The wide use of waste boilers installed in the rear
of Marten furnaces and heated by flue exhaust gases
is reported. The article reports on experiments
ensuring a further use of flue gases containing
sulphur products SO₂ and SO₃ in waste boilers.
Research on conditions (prevention of corrosion,
fly ash effect, etc.) enabling an efficient operation
of these boilers made in the Moscow Power-Engineering
Institute and in one of the chemical kombinats is
discussed in detail. Different types of steel were
used, and results are given in curves. Some

AID P - 2764

Teploenerg., 9, 32-36, S 1955

Card 2/2 Pub. 110-a - 6/14

recommendations, i.e. maintaining the tube walls temperature above the dew point but not over 250°C, the use of aluminum carbon steel for conduits, and the installation of an intermediate heat carrier are made.

Institution : Moscow Power Engineering Institute

Submitted : No date

SHURYGIN, A.P.

The principles and prospects of high-intensity pyrite roasting by using an energotechnological operating scheme.
N. A. Semenenko, I. N. Sidel'kovskii, and A. P. Shurygin
(Energet. Inst., Moscow). Akhie. Prom. 1956, 128-30.

The efficiency of the pyrite roasting furnaces with heat utilization is greatly limited by the necessity of avoiding temps. high enough to fuse the cinders. Fluidization roasting offers some advantages, but is not satisfactory, because the powd. material produces high dust content in the gas, and maintaining the temp. at 750-800° demands special precautions. Pyrite burning in cyclone-type burners, with the cinders tapped in the fused state, are most promising by permitting operations with the least S loss, a min. air excess (8-15%), and because the liquid slag is highly efficient in the dust sepn. (85-95%). The high temp. roasting kinetics includes the FeS dissociation and oxidation rates at high temp. The dissociation rate can be found from the equation $U_1/U_2 = (T_1/T_2)^\gamma$, where U_1 and U_2 are the initial and final dissociat. at the abs. temps. T_1 and T_2 , and $\gamma \approx 4$. The lab. size cyclone roaster used in the studies is described. A design is proposed for a roasting furnace with the utilization of the waste heat in the product gas in a boiler to bring the gas temp. down from 1400° to 750°, and its further cooling to 300-50° for preheating the air to 450-500°. As raw material coal beneficiation residue can be used.

W. M. Sternberg

SHURGIN, A. P.

18 18 8
Furnace for high-temperature roasting of fine-grained
pyrite. P. F. Derevitskii, N. A. Semenensko, A. P. Shurgin,
I. N. Sidel'kovskii, K. K. Rainov, and A. M. Melita.
U.S.S.R. 105,612, May 25, 1967. M. Hesch

VOL'FKOVICH, S.I.; IONASS, A.A.; POSTNIKOV, N.N.; REMEN, R.Ye.; SIDEL'DOVSKIY,
L.N.; SHURYGIN, A.P.; DEREVITSKIY, P.F.; YAGODINA, T.N.

Hydrothermal process of defluorination of natural phosphates in a
cyclone furnace. Khim.prom. no.8:674-680 D '59. (MIRA 13:6)

1. Nauchnyy institut po udobreniyam i insektofungisidam im. Ya.V.
Samoylova i Moskovskiy energeticheskiy institut im. Molotova.
(Phosphates) (Fluorine)

VOL'FKOVICH, S.I.; IONASS, A.A.; MEL'NIKOV, Ye.B.; REMEN, R.Ye.; SIDEL'KOVSKIY, L.N.; TROYANKIN, Yu.V.; SHURYGIN, A.P.; YAGODINA, T.N.

Hydrothermal treatment of phosphates in a cyclone furnace. Khim.
prom. no.6:394-399 Je '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i
insektofungitsidov i Moskovskiy energeticheskiy institut.
(Phosphates)

LAVROV, Nikolay Vladimirovich; SHURGIN, Aleksey Petrovich; POPOV, V.M., kand. tekhn. nauk, otv. red.; SAVINA, Z.A., red. izd-va; SIMKINA, G.S., tekhn. red.

[Introduction to the theory of combustion and fuel gasification] Vvedenie v teoriu goreniiia i gazifikatsii topliva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 214 p. (MIRA 15:9)
(Combustion)

SIDEL'KOVSKIY, L.N., kand.tekhn.nauk, dotsent; SHERYGIN, A.P., kand.tekhn.
nauk, dotsent; SIDEL'NIKOV, Ye.A., inzh.

Operation of a furnace with a fluidized bed. Izv.vys.ucheb.zav.;
energ. 5 no.11:58-65 N '62. (MIRA 15:12)

1.Moskovskiy ordena Lenina energeticheskiy institut i Novomoskov-
skiy khimicheskiy kombinat. Predstavlena kafedroy ognevoy pro-
myshlennoy teplotekhniki Moskovskogo ordena Lenina energeticheskogo
instituta.

(Furnaces)

SHURYGIN, A.P., kand. tekhn. nauk

Features of high-temperature roasting of sulfide ores. Trudy
MEI no.48:173-186 '63. (MIRA 17:6)

CHICHKOV, V.V.; SHURGIN, A.P.

Use of natural gas in the production of sodium sulfide. Khim.
prom. 41 no. 12:898-901 D '65 (MIRA 19:1)

1. Moskovskiy energeticheskiy institut.

SEMENENKO, N.A., doktor tekhn. nauk; SIDEL'KOVSKIY, L.N., kand. tekhn. nauk;
TROYANKIN, Yu.V., kand. tekhn. nauk; SHURYGIN, A.P., kand. tekhn.
nauk

Value and prospects for the use of industrial cyclone processes.
Prom. energ. 20 no.11:4-7 N '65. (MIRA 18:11)

PARAMZIN, I. I., RUMYANTSEV, V. I., SHURYGIN, A. P.

Soils

Dynamics of the structure of soil under crop rotations; correct theory of the working of soil, and the erroneous interpretation of the theory. Pochvovedenie no. 4 (1952)

9. Monthly List of Russian Accessions, Library of Congress, August 1952 Unclassified

NESTERENKO, I.S.; SHURGIN, A.P.

Differentiating crop rotations according to soil types.
Zemledelie 4 no.12:63-78 D '56. (MLRA 10:2)

(Rotation of crops) (Soils)

NESTERENKO, I.S., kand.sel'skokhozyaystvennykh nauk; SHURGIN, A.P.,
kand.sel'skokhozyaystvennykh nauk.

Results of and measures for future introduction of crop.rotations
on collective farms served by the Millerovo Machine-Tractor Station
[with summary in English]. Izv. TSKhA no.5:147-188 '57.

(MIRA 11:1)

(Rotation of crops)

NESTERENKO, I.S., starshiy nauchnyy sotrudnik, kand. nauk; SHURYGIN, A.P.,
starshiy nauchnyy sotrudnik, kand. nauk.

Differentiated crop rotations in connection with soil conditions.
Dokl. TSKhA no. 28:107-113 '57. (MIRA 11:4)
(Rotation of crops) (Soils)

USSR / Soil Science. Genesis and Geography of Soils. J-1

Abs Jour: Ref Zhur-Biol., No 8, 1958, 54320.

Author : Nesterenko, I. S.; Shurygin, A. P.
Inst : Moscow Agricultural Academy imeni K. A. Timiryazev.
Title : On the Industrial Utilization of Large-Scale Soil
Maps.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazova,
1957, vyp. 29, 231 - 236.

Abstract: Soil map of the territory Millerovo MTS of the
Rostovskaya oblast has been compiled by the auth-
ors (1 : 25000). Approximate agro-industrial
classification of soils has been brought forward
for the purpose of introducing crop rotations,
differentiated agrotechny and others. -- F. N.
Sofiyeva.

Card 1/1

GVOZDKOV, P.Z., dvazhdy Geroy Sotsialisticheskogo Truda; SHURYGIN, A.P.,
kand.sel'skokhoz.nauk

A Volga region collective farm is introducing efficient farming
practices. Zemledelie 7 no.9:15-21 S '59. (MIRA 12:11)

1. Predsedatel' kolkhoza "Deminskiy" Novo-Annenskogo rayona, Stalin-
gradskoy oblasti (for Gvozdov).
(Volga Valley—Agriculture)

SIDEL'KOVSKIY, Lazar' Naumovich; SHUJYGIN, Aleksey Petrovich;
RUSANOV, A.A., red.; BUL'DYAYEV, N.A., tekhn. red.

[Industrial cyclone systems] TSiklonnye energotekhnologicheskie
ustanovki. Pod obshchei red. L.N.Sidel'nikovskogo. Moskva,
Gosenergoizdat, 1962. 79 p. (MIRA 15:11)
(Smelting furnaces) (Separators (Machines))

Chelyabinsk, Russia.

Moisture conditions of soils in crop rotation fields in ordinary
Chernozem soils. Pochvovedenie no. 12:38-50 D 163.

1. Moskovskaya oblast' Lenina sel'skokhozyaystvennaya akademiya
imeni Timiryazeva. (MIRA 17:11)

SHURYGIN, A.Ya.

Sulfhydryl groups in the blood serum in silicosis. Sov. zdrav. Kir.
no.1:17-19 Ja-F '62. (MIRA 15:4)

1. Iz laboratorii patofiziologii (zav. - dotsent M.I.Kitayev) i
laboratorii biokhimii (zav. - A.Ya.Shurygin) Kirgizskogo nauchno-
issledovatel'skogo instituta tuberkuleza (dok. - prof. Yu.A.Volokh).
(MERCAPTO GROUPS) (SERUM) (LUNGS--DUST DISEASES)

SHURYGIN, A.Ya.

Modified method of electrophoresis on agar-agar gel. Lab. delo no.1:
13-15 '64. (MIRA 17:4)

1. Laboratoriya biokhimii (zaveduyushchij A.Yu.Shurygin) Kirgizskogo
nauchno-issledovatel'skogo instituta tuberkuleza (direktor - prof. Yu.
A.Volokh).

VOYTKEVICH, V.I.; SHURYGIN, D.Ya.

Oxyhemometric investigation in cardiovascular diseases and in
Basedow's disease; preliminary communication. Ter. arkh., Moskva
25 no.5:29-34 Sept-Oct 1953. (CIML 25:4)

1. Candidate Medical Sciences. 2. Of the Institute of Physiology imeni
I. P. Pavlov (Director -- Academician K. M. Bykov) of the Academy
of Sciences USSR and the Military Medical Academy imeni S. M. Kirov.

SHURYGIN, D.Ya., kandidat meditsinskikh nauk

Bone marrow and blood pictures in thyrotoxicosis treated with
methylthiouracil. Terap. arkh. 26 no.5:61-69 S-O '54. (MLRA 8:2)

1. Iz Voyenno-meditsinskoy akademii imeni S.M.Kirova.

(HYPERTHYROIDISM, therapy,

methylthiouracil, eff. on blood & bone marrow)

(URACIL, derivatives,

methylthiouracil, eff. on blood & bone marrow in
hyperthyroidism)

(HEMOPOIETIC SYSTEM, effect of drugs on,

methylthiouracil, in hyperthyroidism)

SHURYGIN. D.Ya., kandidat meditsinskikh nauk (Leningrad)

Therapy of thyrotoxicosis with methylthiouracil. Klin. med.
32 no.6:47-53 Je '54. (MLRA 7:8)

(HYPERTHYROIDISM, therapy

*methylthiouracil

(URACIL, derivatives

*methylthiouracil, ther. of hyperthyroidism)

SHURGIN, D.Ya., kand.med.nauk (Leningrad)

Late results of the treatment of thyrotoxicosis with methyl-thiouracil. Probl.endok. i gorm. 1 no.6:10-15 N-D '55.
(MIRA 12:8)

1. Iz kafedry fakul'tetskoy terapii No. 1 (nach. - prof.V.A. Beyer) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(HYPERTHYROIDISM, therapy,
methylthiouracil, remote results)

(THIOURACIL, derivatives,
methylthiouracil, ther. of hyperthyroidism,
remote results)

SHURYGIN, D.Ya., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; KALUZHENKO, R.K., leytenant meditsinskoy sluzhby; KSENOFONTOV, Yu.P., leytenant meditsinskoy sluzhby

Synthomycin for treating chronic cholecystitis and cholangitis.
Voen.-med.zhur. no.7:88 Jl '56. (MLRA 9:11)
(CHLOROMYCETIN) (BILIARY TRACT--DISEASES)

~~SHURYGIN, D.Ya., dotsent; MURCHAKOVA, A.F., kand.biologicheskikh nauk;~~
~~BELOV, N.A. (Leningrad)~~

Kosinopenic reaction following stimulation of adrenocortical function;
experimental and clinical investigations [with summary in English,
p.124] Jl-Ag '57. (MIRA 10:12)

1. Iz kafedry fakul'tetskoy terapii (nach. - prof. V.A.Beyyer)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(BURNS, physiology,
eosinophil count & urinary 17-ketosteroids (Rus))

(EOSINOPHIL COUNT, in various diseases,
burns, with urinary 17-ketosteroids changes (Rus))
(17-KETOSTEROIDS, in urine,
in burns, with eosinophil count changes (Rus))

SHURGIN D.YA.
KUDRITSKAYA, T.Ye.; SHURGIN, D.Ya.

Effect of aminopeptide on the survival of animals following blood loss
[with summary in English, p.61-62]. Probl.gemat. i perel. krovi 3
(MIRA 11:3)
no.1:44-47 Ja-P '58.

1. Iz kafedry patofiziologii (nach. - chlen-korrespondent AMN SSSR
prof. I.R.Petrov) i kafedry fakul'tetskoy terapii (nach. - prof.
V.A.Beyer) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(AMINO ACID MIXTURES, effects,
aminopeptide, on survival of animals after exper.
hemorrh. (Rus))
(HEMORRHAGE, experimental,
eff. of aminopeptide on survival of animals (Rus))

SHURGIN, D.Ya., dots. (Leningrad)

Treatment of thyrotoxicosis with potassium perchlorate. Klin.med.
(MIRA 11:4)
36 no.3:87-93 Mr '58.

1. Iz kafedry fakul'tetskoy terapii No.1 (nach. - prof. V.A.
Beyer) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(HYPERTHYROIDISM, ther.
potassium perchlorate (Rus))
(CHLORINE, ther. use
potassium perchlorate in hyperthyroidism (Rus))

SHURYGIN, D.Ya., dots., MURCHAKOVA, A.F. (Leningrad)

Basal metabolism and radioactive iodine test in patients with
leukemia and lymphogranulomatosis; preliminary report.
Klin.med. 36 no.7:99-104 J1 '58 (MIRA 11:11)

1. Iz kafedry fakul'tetskoy terapii No.1 (Nach. - prof. V.A.
Beyer) Vojenno-meditsinskiy ordena Lenina akademii imeni
S.M. Kirova.

(LEUKEMIA, metab.)

basal metab. & radioiodine uptake (Rus)

(HODGKIN'S DISEASES, metab.)

same (Rus)

(THYROID GLAND, metab.)

radioiodine uptake in leukemia & Hodgkin's dis. (Rus)

(BASAL METABOLISM, in various dis.)

Hodgkin's dis. & leukemia (Rus))

KUDRITSKAYA, T.Ye., kand.med.nauk (Leningrad, pr. Parkhomenko, d.43, kv.5)
SHURYGIN, D.Ya., kand.med.nauk

Use of aminopeptide in hemorrhage; experimental study [with
summary in English]. Vest.khir. 81 no.8:54-58 Ag '58 (MIRA 11:9)

1. Iz kefedry patofiziologii (nach. - prof. I.R. Petrov) i
fakul'tetskoy terapeuticheskoy kliniki No.1 (nach. - prof. V.A. Beyyer)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(AMINO ACIDS,
aminopeptide, on hemorrh. in dogs (Rus))
(HEMORRHAGE, exper.
eff. of aminopeptide in dogs (Rus))

SHURYGIN, D.Ya.

Diabetes insipidus in patients with acute leukoses. Klin.emd.
(MIRA 13:12)
38 no.7:132-136 '60.
(DIABETES) (LEUKEMIA)

KULAGIN, V.K.; SHURGIN, D.Ya.

Changes in the function and structure of the adrenal cortex after
autotransplantation. Biul. eksp.biol.i med. 50 no.9:108-112 S '60.
(MIRA 13:11)

1. Iz kafedry patologicheskoy fiziologii (nach. - chlen-korrespondent
AMN SSSR prof. I.R.Petrov) i kafedry fakul'tetskoy terapii No.1
(nach. - prof. V.A.Beyyer) Vojenno-meditsinskoy ordena Lenina
akademii imeni S.M.Kirova, Leningrad.
(ADRENAL CORTEX...TRANSPLANTATION)

BELYAR, Vladimir Aleksandrovich; ZAKRZHEVSKIY, Ye.B., prof.;
SOROKIN, P.A., prof.; GEYRE, S.B., dots.; KURDYBAYLO, F.V.,
dots.; SHURGIN, L.Ya., dots.; VINOGRADOVA, V.A., assistant;
SENENKO, A.N., red.

[Internal diseases; a manual for physicians] Vnutrennie bo-
lezni; rukovodstvo dlia vrachei. Leningrad, Medgiz, 1963.
(MIRA 17:9)
526 p.

1. Kafedra fakul'tetskoy terapii Vojennno-meditsinskoy aka-
demii im. S.M.Kirova (for all except Senenko).

SHURYGIN, D.Ya., polkovnik meditsinskoy sluzhby; BELYAYEV, V.Ye.,
podpolkovnik meditsinskoy sluzhby

Function of the adrenal cortex in burn disease. Voen.-med.
(MIRA 18:11)
zhur. no.3:38-42 '65.

MOISEYEV, Ye.A. (Leningrad); SHURGIN, D.Ya. (Leningrad); FERKMIN, A.A.
(Leningrad); PETROW, N.S. (Leningrad)

Effect of cytostatic substances on the endocrine glands.
Arkh. pat. 24 no.11:57-63 '62.

(MIRA 18:12)

1. Iz laboratorii gistogramiologii (zav. Ye.A.Moiseyev) Instituta
evolyutsionnoy fiziologii imeni I.M.Sechenova AN SSSR (dir. -
chlen-korrespondent AN SSSR Ye.M.Kreps) i kafedry fakul'tetskoy
terapii (nachal'nik - prof. V.A.Beyyer) Voyenno-edsitsinskoy
ordena Lenina akademii imeni S.M.Kirova.

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SHUR YGIN, D. Ya.

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